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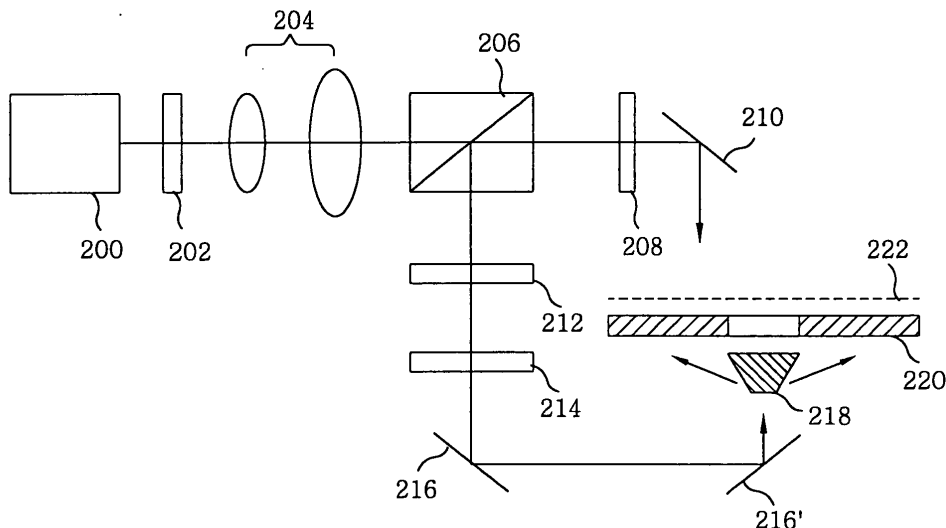
Ring-shaped prism of a holographic ROM system

(57)

A holographic system for storing data on an interference pattern in a hologram storage medium includes a light source for emitting a laser beam, a beam splitter, modulating means and a refractive material. The beam splitter divides the laser beam into a reference beam and a signal beam and the modulating means

modulates the signal beam to generate a modulated signal beam. The refractive material refracts the reference beam to generate a refracted reference beam, wherein the refracted reference beam interferes with the modulated signal beam in the hologram storage medium to generate the interference pattern.

FIG.2





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 03 02 2934

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	EP 0 271 300 A (THORN EMI PLC) 15 June 1988 (1988-06-15)	1	G11C13/04 G11B7/0065
A	* column 3, line 49 - column 5, line 20; figures 1-3 *	2-5	G11B7/28

X	US 5 322 747 A (HUGLE ET AL) 21 June 1994 (1994-06-21)	1	
A	* the whole document *	2-5	

A	ERNEST CHUNG, ET AL.: "Holographic Read-Only-Memory-System for High-Speed Replication" JP. J. APPL. PHYS., vol. 42, no. 2, 28 February 2003 (2003-02-28), pages 976-980, XP002318686 * the whole document *	1-5	

X	US 6 418 106 B1 (STOLL HAROLD M) 9 July 2002 (2002-07-09)	1	
A	* column 5, line 43 - column 9, line 28; figures 1-10 *	2-5	TECHNICAL FIELDS SEARCHED (Int.Cl.7) G11C G11B

The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 10 March 2005	Examiner Moje, A
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

2

EPO FORM 1503 03/82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 02 2934

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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